

## Overview documentation: Papers, presentations, and tutorials

- Our [Parallel NetCDF API](#) (PDF, 152k) document describes the API we are using. We have tweaked the programming interface to be more friendly to parallel i/o while maintaining file format compatibility with the serial version of NetCDF.
- Our ([SC2003 Paper](#) about PnetCDF (PDF, 97k) discusses our library and presents some performance results.
- [Jianwei Li's presentation](#) (PDF, 167k) from the SC2003 conference.
- [Unidata's serial NetCDF documentation](#) sometimes comes in handy for comparison.
- A [QuickTutorial](#) demonstrating some simple aspects of the library, with full code examples.

## Tuning

- [HintsForPnetcdf](#) describes some low-level tuning parameters
- [VariableAlignment](#) documents a way to adjust the layout of file header and variables in a dataset, and why/when you might want to do so
- [CombiningOperations](#) documents an optimization introduced in version 1.1: when waiting for completion of non-blocking operations, the library will combine all pending operations into one bigger I/O request.
- [BufferedInterface](#) documents our newest API addition: the non-blocking routines copy data to a user-provided buffer.

## Hacking

- start with [SourceCodeWalkthrough](#)
- [ProjectIdeas?](#)
- [TestCoverage](#)
- [DesignDiscussions](#): we discuss the design of pnetcdf over email mostly. We try to collect the highlights here.

## Release Notes

- [ReleaseNotes-1.3.1](#) (released on 24 September 2012)
- [ReleaseNotes-1.3.0](#) (released on 26 June 2012)
- [ReleaseNotes-1.2.0](#) (released on 19 August 2010)
- [ReleaseNotes-1.2.0pre1](#) (released on 15 June 2010)
- [ReleaseNotes-1.1.1](#) (released on 27 January 2010)
- [ReleaseNotes-1.1.0](#) (released on 2 November 2009)
- [ReleaseNotes-1.1.0pre1](#)

## Others

- NetCDF-4 can use PnetCDF. We think this is great. More information: [PnetcdfAndNetcdf4](#)
- Forrest Hoffman wrote an article about PnetCDF in the July 2004 issue of Linux Magazine.
- The HDF group at NCSA ported a serial NetCDF code to one using PnetCDF. They posted [a writeup](#) of their efforts . It's a little old but does provide some additional information to supplement `doc/porting_notes.txt`